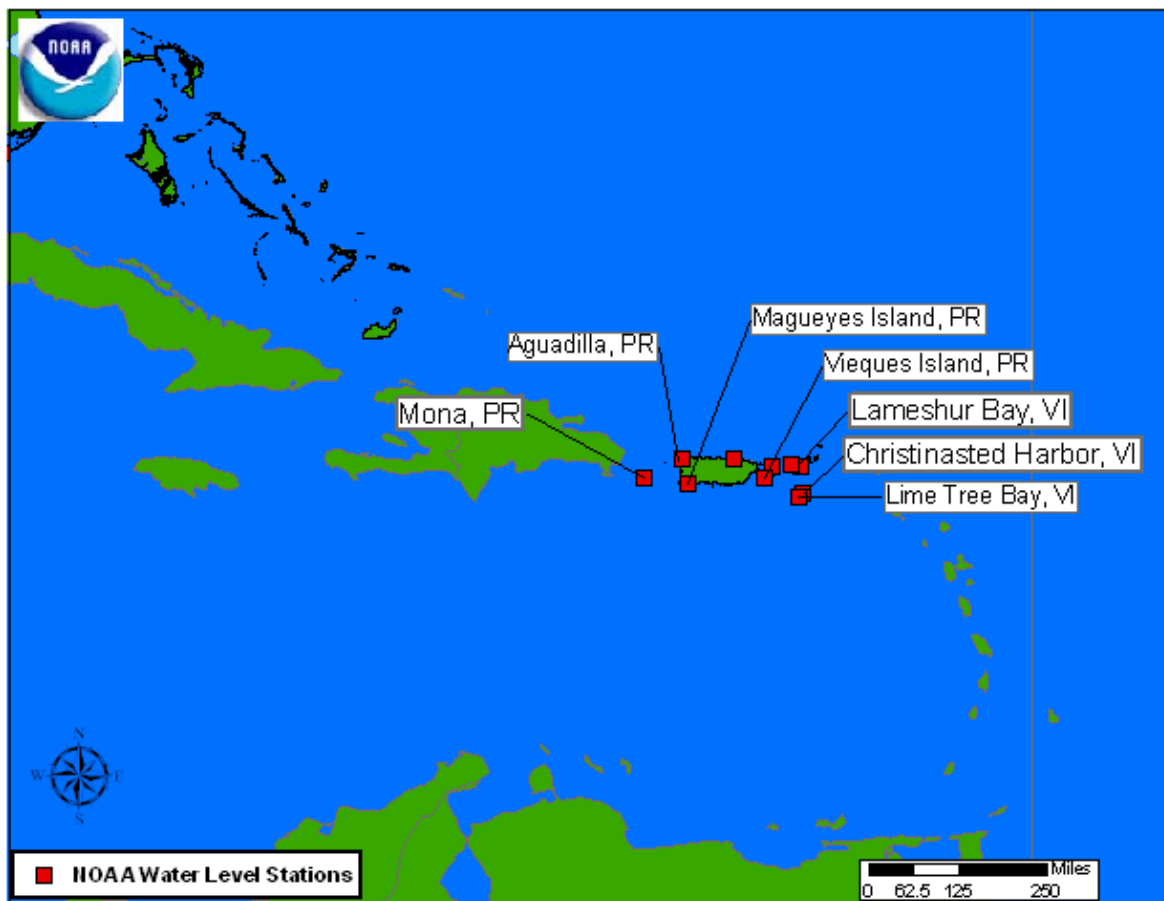




Hurricane DEAN QUICKLOOK
Posted: 12:00 AST 08/18/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

No further QUICKLOOKs will be posted for this storm unless conditions warrant and/or the National Hurricane Center (NHC) issues a new Tropical Storm Warning for the U.S. coastline.

NOS water levels are slightly elevated at southern Puerto Rico and associated islands stations and at the U.S. Virgin Islands stations.

Water level observations as of 8/18/2007 12:00 AST:

Mona Island, PR is about 0.07 ft (0.00 m) above predicted. Next high tide is 08/18/2007 Sat 18:00 AST

Vieques Island, PR is about 0.7 ft (0.21 m) above predicted. Next high tide is 08/18/2007 Sat 21:00 AST

Maguies Island, PR is about 0.6 ft (0.18 m) above predicted. Next high tide is 08/18/2007 Sat 18:39 AST

Aguadilla, PR is about 0.11 ft (0.03 m) above predicted. Next high tide 08/19/2007 Sun 00:00 AST

Lime Tree Bay, VI is about 0.56 ft (0.17 m) above predicted. Next high tide is 08/18/2007 Sat 19:02 AST

Christiansted Harbor, St Croix, VI is about 0.35 ft (0.10 m) above predicted. Next high tide is 8/18/2007 Sat 16:19 AST

Lameshur Bay, St. Johns, VI is about 0.37 ft (0.11 m) above predicted. Next high tide is 08/18/2007 Sat 13:00 AST

Water level and meteorological plots are updated automatically. For additional data, please see

www.tidesandcurrents.noaa.gov. For more information on the Storm QUICKLOOK product, please see www.tidesandcurrents.noaa.gov/quicklook.shtml

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION at 1100 AST SAT AUG 18 2007

AT 11 AM...1500 UTC...THE TROPICAL STORM WARNING U.S. VIRGIN ISLANDS AND PUERTO RICO HAS BEEN DISCONTINUED.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 150 MPH...240 KM/HR...WITH HIGHER GUSTS. DEAN IS A CATEGORY FOUR HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME FLUCTUATIONS IN INTENSITY ARE LIKELY DURING THE LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 24 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES...95 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES...335 KM.

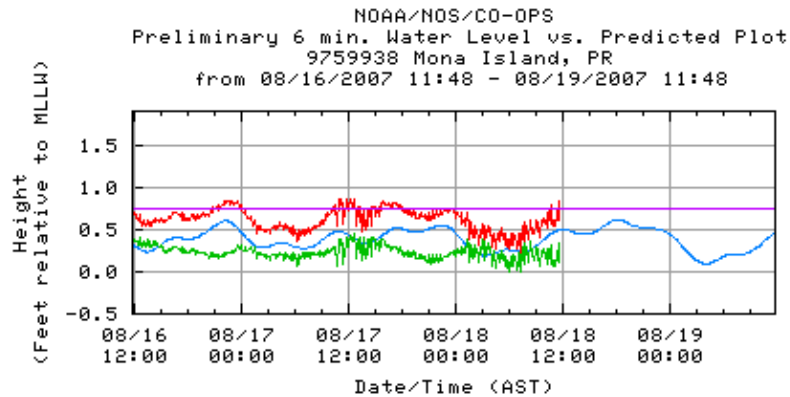
LATEST MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE HUNTER PLANE WAS 929 MB...27.43 INCHES.

STORM TOTAL RAINFALL AMOUNTS OF 5 TO 10 INCHES CAN BE EXPECTED OVER JAMAICA...WITH MAXIMUM AMOUNTS OF UP TO 20 INCHES. AMOUNTS OF 2 TO 3 INCHES CAN BE EXPECTED OVER THE DOMINICAN REPUBLIC AND HAITI WITH AMOUNTS UP TO 6 INCHES POSSIBLE. ADDITIONAL RAIN ACCUMULATIONS OF 1 TO 2 INCHES ARE POSSIBLE OVER PUERTO RICO...WITH ISOLATED STORM TOTAL AMOUNTS OF 5 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUDSLIDES.

For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mona Island - Water Level](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Aguadilla - Water Level](#), [Lameshur Bay, St. Johns - Air/Water Temp](#), [Christiansted Harbor, St Croix - Water Level](#), [Lime Tree Bay - Air/Water Temp](#), [Lime Tree Bay - Barometric](#), [Vieques Island - Water Level](#), [Magueyes Island - Air/Water Temp](#), [Magueyes Island - Barometric](#), [Lameshur Bay, St. Johns - Water Level](#), [Lameshur Bay, St. Johns - Barometric](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#)

Mona Island, PR - Station Map [Return to List](#)



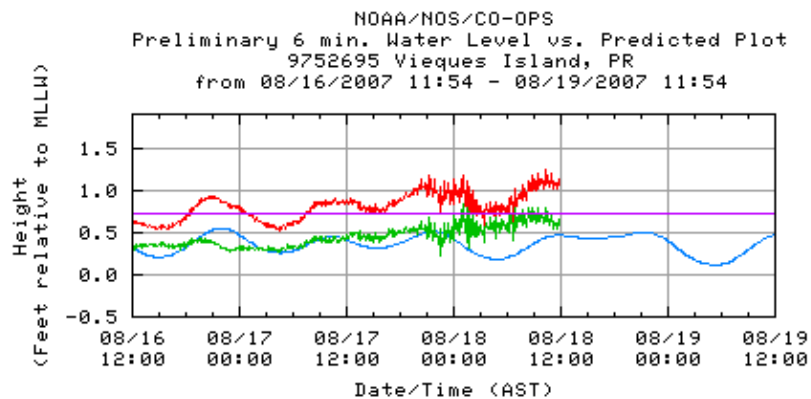
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/18/2007 11:36 (AST)

Relative to **MLLW**: **Observed: 0.61 ft. Predicted: 0.50 ft. Residual: 0.11 ft.**

Historical Maximum Water Level: n/a

Vieques Island, PR - Station Map [Return to List](#)



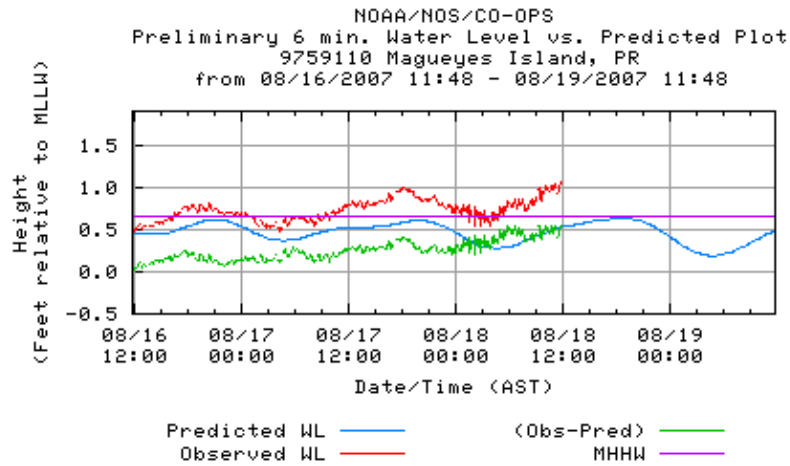
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/18/2007 11:42 (AST)

Relative to **MLLW**: **Observed: 1.08 ft. Predicted: 0.48 ft. Residual: 0.60 ft.**

Historical Maximum Water Level: n/a

Magueyes Island, PR - Station Map [Return to List](#)

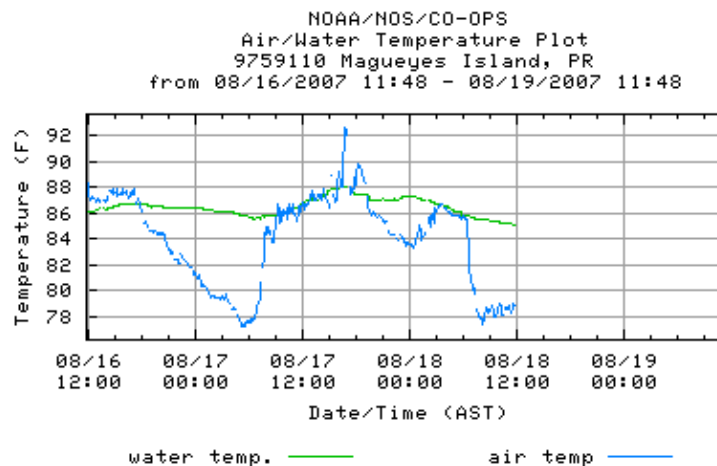


Last Observed Sample: 08/18/2007 11:42 (AST)

Relative to **MLLW**: **Observed: 1.07 ft. Predicted: 0.53 ft. Residual: 0.54 ft.**

Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**

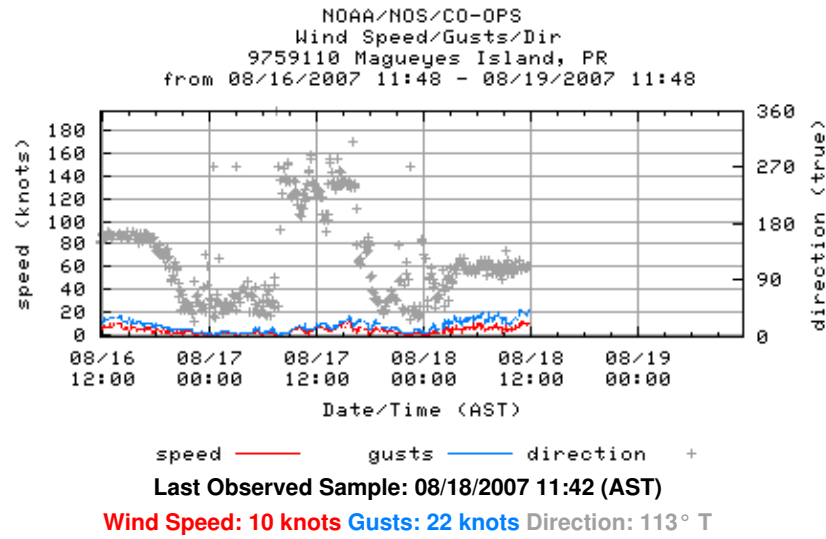
Magueyes Island, PR - Station Map [Return to List](#)



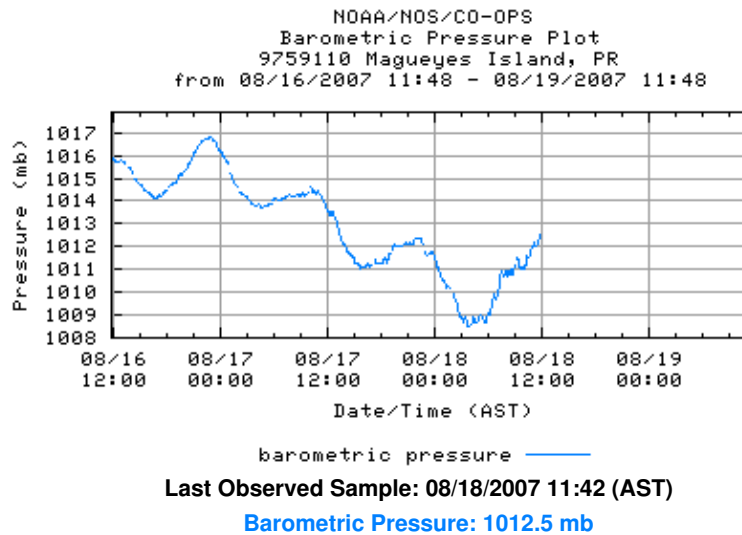
Last Observed Sample: 08/18/2007 11:42 (AST)

Water Temperature: 85.1° F Air Temperature: 78.9° F

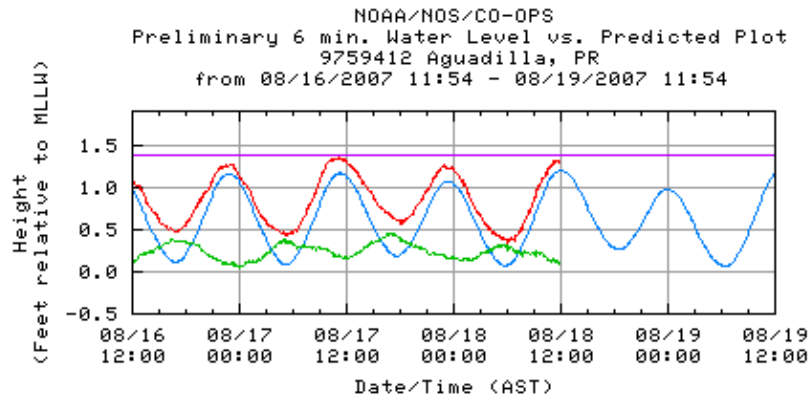
Maqueyes Island, PR - Station Map [Return to List](#)



Maqueyes Island, PR - Station Map [Return to List](#)



Aguadilla, PR - Station Map [Return to List](#)

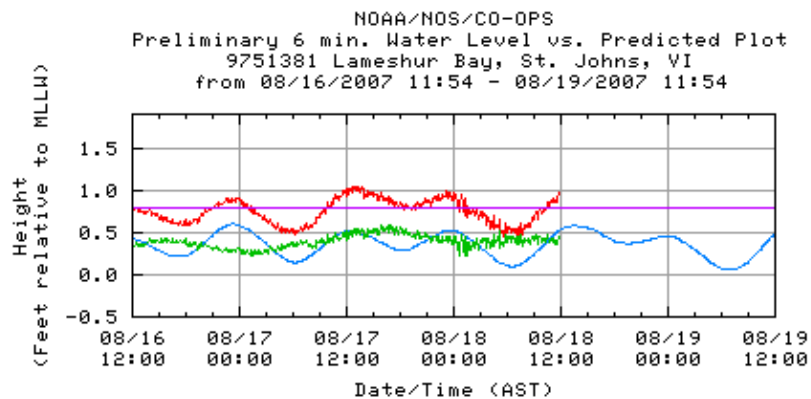


Last Observed Sample: 08/18/2007 11:42 (AST)

Relative to **MLLW**: **Observed: 1.33 ft. Predicted: 1.21 ft. Residual: 0.12 ft.**

Historical Maximum Water Level: n/a

Lameshur Bay, St. Johns, VI - Station Map [Return to List](#)

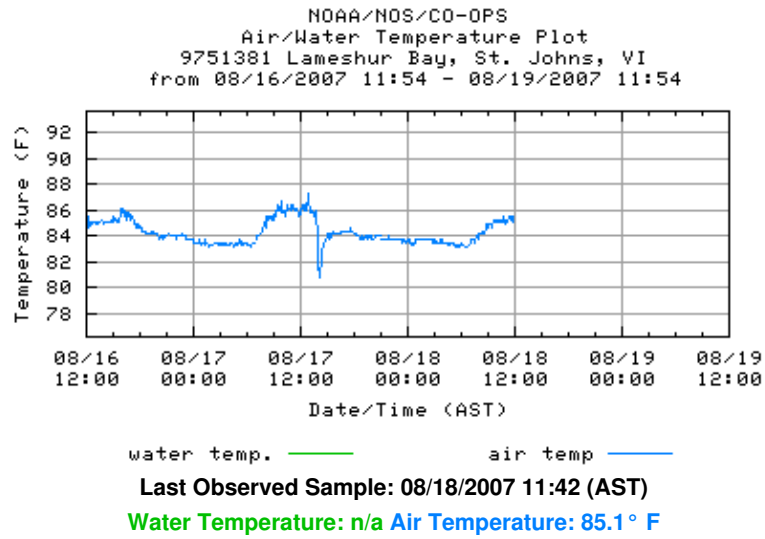


Last Observed Sample: 08/18/2007 11:42 (AST)

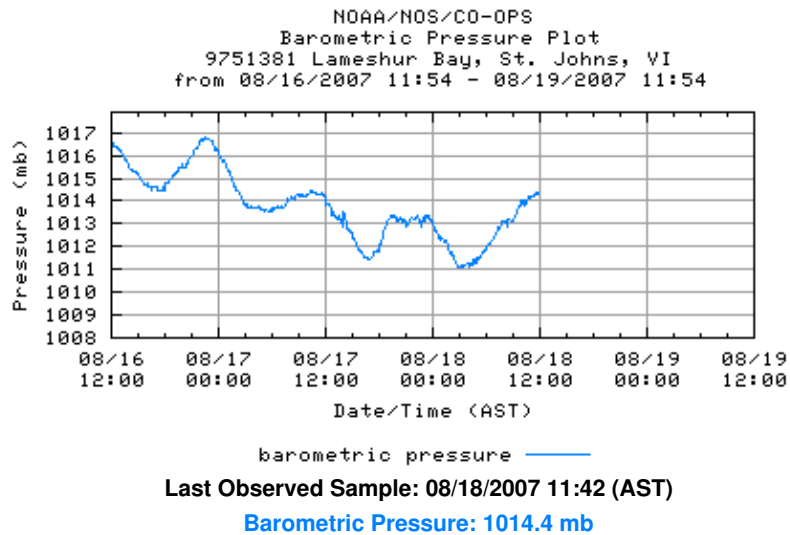
Relative to **MLLW**: **Observed: 0.99 ft. Predicted: 0.53 ft. Residual: 0.46 ft.**

Historical Maximum Water Level: n/a

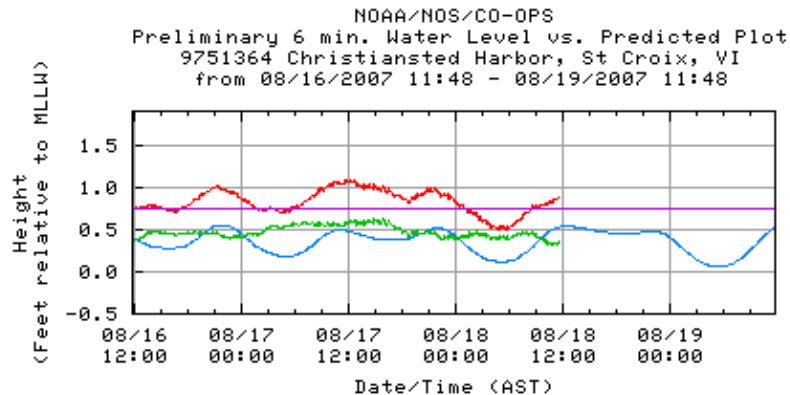
Lameshur Bay, St. Johns, VI - Station Map [Return to List](#)



Lameshur Bay, St. Johns, VI - Station Map [Return to List](#)



Christiansted Harbor, St Croix, VI - [Station Map](#) [Return to List](#)

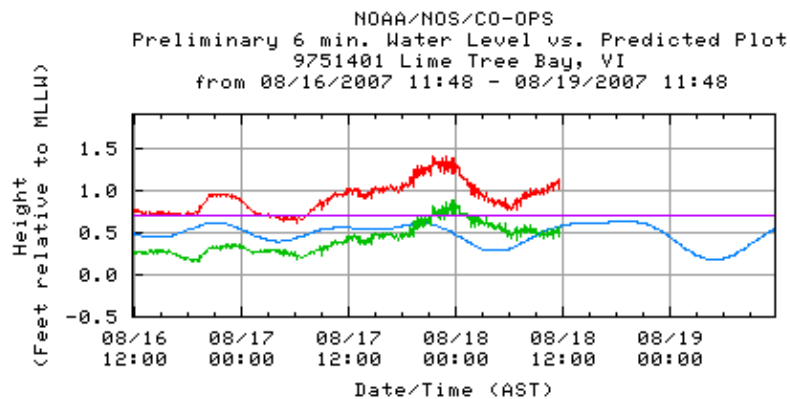


Last Observed Sample: 08/18/2007 11:42 (AST)

Relative to **MLLW**: **Observed: 0.90 ft. Predicted: 0.54 ft. Residual: 0.36 ft.**

Historical Maximum Water Level: n/a

Lime Tree Bay, VI - [Station Map](#) [Return to List](#)

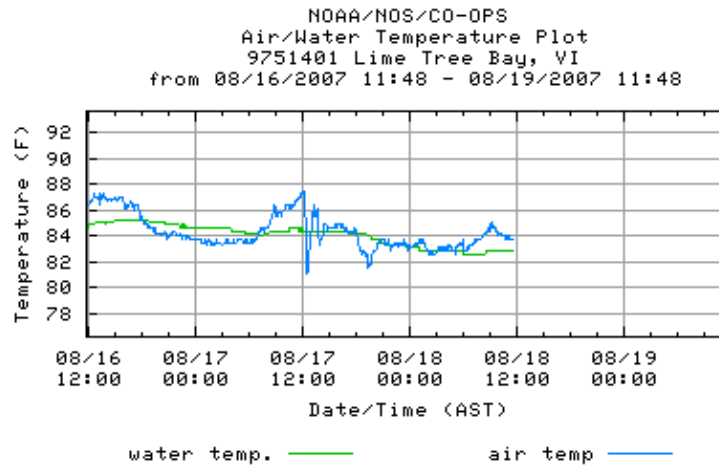


Last Observed Sample: 08/18/2007 11:36 (AST)

Relative to **MLLW**: **Observed: 1.15 ft. Predicted: 0.58 ft. Residual: 0.57 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

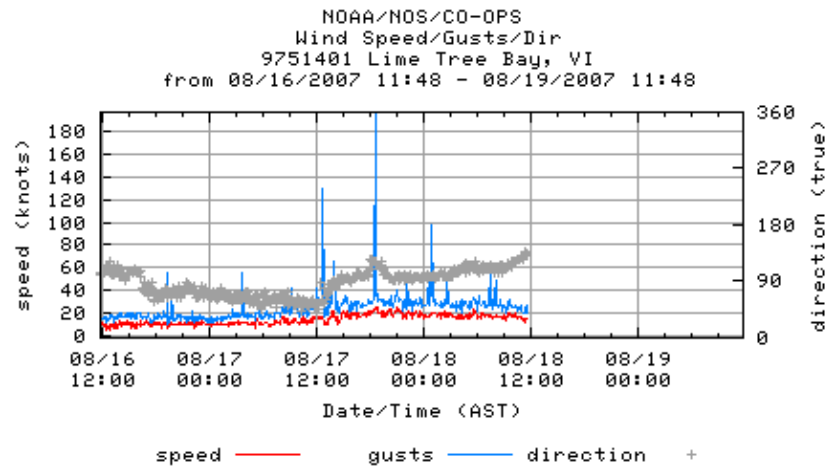
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 11:36 (AST)

Water Temperature: 82.8° F Air Temperature: 83.7° F

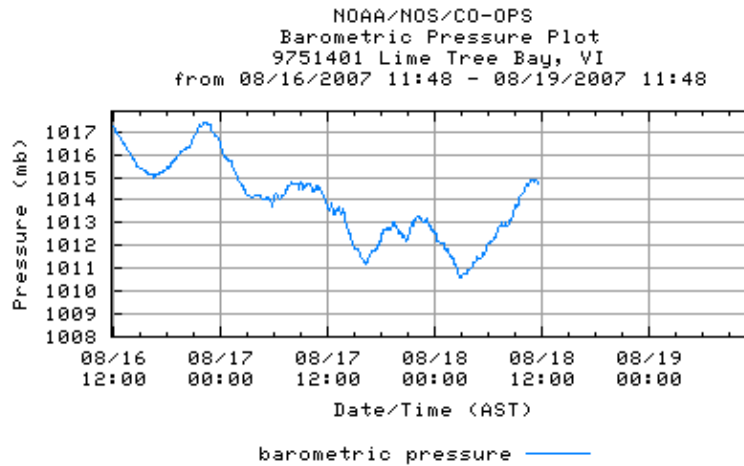
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 11:36 (AST)

Wind Speed: 15 knots Gusts: 20 knots Direction: 130° T

Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 11:36 (AST)

Barometric Pressure: 1014.7 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce